

Search

FILE 'CAPLUS, WPIX, USPATFULL, USPAT2' ENTERED AT 10:42:38 ON 17 NOV 2005

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E KIM HYUNG JOON/AU
L1      67 SEA ABB=ON  PLU=ON  "KIM HYUNG JOON"/AU
L2      0 SEA ABB=ON  PLU=ON  "KIM HYUNG JOON"/AU
L3      8 SEA ABB=ON  PLU=ON  "KIM HYUNG JOON"/AU
L4      3 SEA ABB=ON  PLU=ON  "KIM HYUNG JOON"/AU
TOTAL FOR ALL FILES
L5      78 SEA ABB=ON  PLU=ON  "KIM HYUNG JOON"/AU
E ZHANG JINMING/AU
L6      59 SEA ABB=ON  PLU=ON  "ZHANG JINMING"/AU
L7      0 SEA ABB=ON  PLU=ON  "ZHANG JINMING"/AU
L8      2 SEA ABB=ON  PLU=ON  "ZHANG JINMING"/AU
L9      0 SEA ABB=ON  PLU=ON  "ZHANG JINMING"/AU
TOTAL FOR ALL FILES
L10     61 SEA ABB=ON  PLU=ON  "ZHANG JINMING"/AU
E GANDOUR RICHARD D/AU
L11     182 SEA ABB=ON  PLU=ON  ("GANDOUR R D"/AU OR "GANDOUR RICHARD"/AU
OR "GANDOUR RICHARD D"/AU OR "GANDOUR RICHARD DAVID"/AU)
L12      5 SEA ABB=ON  PLU=ON  ("GANDOUR R D"/AU OR "GANDOUR RICHARD"/AU
OR "GANDOUR RICHARD D"/AU OR "GANDOUR RICHARD DAVID"/AU)
L13      5 SEA ABB=ON  PLU=ON  ("GANDOUR R D"/AU OR "GANDOUR RICHARD"/AU
OR "GANDOUR RICHARD D"/AU OR "GANDOUR RICHARD DAVID"/AU)
L14      0 SEA ABB=ON  PLU=ON  ("GANDOUR R D"/AU OR "GANDOUR RICHARD"/AU
OR "GANDOUR RICHARD D"/AU OR "GANDOUR RICHARD DAVID"/AU)
TOTAL FOR ALL FILES
L15     192 SEA ABB=ON  PLU=ON  ("GANDOUR R D"/AU OR "GANDOUR RICHARD"/AU
OR "GANDOUR RICHARD D"/AU OR "GANDOUR RICHARD DAVID"/AU)
E YOON ROE HOAN/AU
L16     63 SEA ABB=ON  PLU=ON  "YOON ROE HOAN"/AU
L17      0 SEA ABB=ON  PLU=ON  "YOON ROE HOAN"/AU
L18     23 SEA ABB=ON  PLU=ON  "YOON ROE HOAN"/AU
L19      1 SEA ABB=ON  PLU=ON  "YOON ROE HOAN"/AU
TOTAL FOR ALL FILES
L20     87 SEA ABB=ON  PLU=ON  "YOON ROE HOAN"/AU
L21     362 SEA ABB=ON  PLU=ON  L1 OR L6 OR L11 OR L16
L22      5 SEA ABB=ON  PLU=ON  L2 OR L7 OR L12 OR L17
L23     32 SEA ABB=ON  PLU=ON  L3 OR L8 OR L13 OR L18
L24      4 SEA ABB=ON  PLU=ON  L4 OR L9 OR L14 OR L19
TOTAL FOR ALL FILES
L25     403 SEA ABB=ON  PLU=ON  L5 OR L10 OR L15 OR L20
L26     376 DUP REM L25 (27 DUPLICATES REMOVED)
L27     362 SEA L26
L28      7 SEA ABB=ON  PLU=ON  L27 AND ?THIOL?
L29      0 SEA L26
L30      0 SEA ABB=ON  PLU=ON  L29 AND ?THIOL?
L31     14 SEA L26
L32      7 SEA ABB=ON  PLU=ON  L31 AND ?THIOL?
L33      0 SEA L26
L34      0 SEA ABB=ON  PLU=ON  L33 AND ?THIOL?
TOTAL FOR ALL FILES
L35     14 SEA ABB=ON  PLU=ON  L26 AND ?THIOL?
L36     14 DUP REM L35 (0 DUPLICATES REMOVED)
D 1-14 BIB AB

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FILE 'REGISTRY' ENTERED AT 12:10:15 ON 17 NOV 2005

L1 1 SEA ABB=ON PLU=ON 2885-00-9
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FILE 'USPATFULL, USPAT2' ENTERED AT 12:11:25 ON 17 NOV 2005

L2 1325 SEA ABB=ON PLU=ON 427/388100/NCL OR 427/388400/NCL OR
427/388500/NCL

L3 72 SEA ABB=ON PLU=ON 427/388100/NCL OR 427/388400/NCL OR
427/388500/NCL

TOTAL FOR ALL FILES

L4 1397 SEA ABB=ON PLU=ON 427/388100/NCL OR 427/388400/NCL OR
427/388500/NCL

L5 0 SEA ABB=ON PLU=ON L2 AND L1

L6 0 SEA ABB=ON PLU=ON L3 AND L1

TOTAL FOR ALL FILES

L7 0 SEA ABB=ON PLU=ON L4 AND L1

L8 12136 SEA ABB=ON PLU=ON L2 AND ALKANETHIOL OR ((ALKANE? OR ALKYL?)
(5A) (THIOL? OR MERCAPTAN?))

L9 1147 SEA ABB=ON PLU=ON L3 AND ALKANETHIOL OR ((ALKANE? OR ALKYL?)
(5A) (THIOL? OR MERCAPTAN?))

TOTAL FOR ALL FILES

L10 13283 SEA ABB=ON PLU=ON L4 AND ALKANETHIOL OR ((ALKANE? OR ALKYL?)
(5A) (THIOL? OR MERCAPTAN?))

L11 19 SEA ABB=ON PLU=ON L2 AND (ALKANETHIOL OR ((ALKANE? OR
ALKYL?) (5A) (THIOL? OR MERCAPTAN?)))

L12 3 SEA ABB=ON PLU=ON L3 AND (ALKANETHIOL OR ((ALKANE? OR
ALKYL?) (5A) (THIOL? OR MERCAPTAN?)))

TOTAL FOR ALL FILES

L13 22 SEA ABB=ON PLU=ON L4 AND (ALKANETHIOL OR ((ALKANE? OR
ALKYL?) (5A) (THIOL? OR MERCAPTAN?)))

L14 130 SEA ABB=ON PLU=ON L2 AND ((STEEL? OR IRON?) (5A) ?GALV?)

L15 12 SEA ABB=ON PLU=ON L3 AND ((STEEL? OR IRON?) (5A) ?GALV?)

TOTAL FOR ALL FILES

L16 142 SEA ABB=ON PLU=ON L4 AND ((STEEL? OR IRON?) (5A) ?GALV?)

L17 2 SEA ABB=ON PLU=ON L11 AND L14

L18 0 SEA ABB=ON PLU=ON L12 AND L15

TOTAL FOR ALL FILES

L19 2 SEA ABB=ON PLU=ON L13 AND L16

D 1-2 BIB AB

L20 29 SEA ABB=ON PLU=ON L2 AND ((STEEL? OR IRON?) (5A) (ELECTROGALV
? OR ELECTRO-GALV?))

L21 5 SEA ABB=ON PLU=ON L3 AND ((STEEL? OR IRON?) (5A) (ELECTROGALV
? OR ELECTRO-GALV?))

TOTAL FOR ALL FILES

L22 34 SEA ABB=ON PLU=ON L4 AND ((STEEL? OR IRON?) (5A) (ELECTROGALV
? OR ELECTRO-GALV?))

L23 153 SEA ABB=ON PLU=ON L2 AND ((STEEL? OR IRON?) (5A) ?PHOSPH?)

L24 9 SEA ABB=ON PLU=ON L3 AND ((STEEL? OR IRON?) (5A) ?PHOSPH?)

TOTAL FOR ALL FILES

L25 162 SEA ABB=ON PLU=ON L4 AND ((STEEL? OR IRON?) (5A) ?PHOSPH?)

L26 45 SEA ABB=ON PLU=ON L14 AND L23

L27 4 SEA ABB=ON PLU=ON L15 AND L24

TOTAL FOR ALL FILES

L28 49 SEA ABB=ON PLU=ON L16 AND L25

L29 1 SEA ABB=ON PLU=ON L11 AND L26

L30 0 SEA ABB=ON PLU=ON L12 AND L27

TOTAL FOR ALL FILES

L31 1 SEA ABB=ON PLU=ON L13 AND L28

D BIB AB

L32 2485 SEA ABB=ON PLU=ON 427/359000/NCL OR 427/421000/NCL OR
427/430100/NCL OR 427/435000/NCL OR 427/420000/NCL

L33 420 SEA ABB=ON PLU=ON 427/359000/NCL OR 427/421000/NCL OR
427/430100/NCL OR 427/435000/NCL OR 427/420000/NCL

TOTAL FOR ALL FILES

L34 2905 SEA ABB=ON PLU=ON 427/359000/NCL OR 427/421000/NCL OR
427/430100/NCL OR 427/435000/NCL OR 427/420000/NCL

L35 3 SEA ABB=ON PLU=ON L32 AND L1

L36 0 SEA ABB=ON PLU=ON L33 AND L1

TOTAL FOR ALL FILES

L37 3 SEA ABB=ON PLU=ON L34 AND L1
D 1-3 BIB AB

L38 13 SEA ABB=ON PLU=ON L32 AND (ALKANETHIOL OR ((ALKANE? OR
ALKYL?) (5A) (THIOL? OR MERCAPTAN?)))

L39 2 SEA ABB=ON PLU=ON L33 AND (ALKANETHIOL OR ((ALKANE? OR
ALKYL?) (5A) (THIOL? OR MERCAPTAN?)))

TOTAL FOR ALL FILES

L40 15 SEA ABB=ON PLU=ON L34 AND (ALKANETHIOL OR ((ALKANE? OR
ALKYL?) (5A) (THIOL? OR MERCAPTAN?)))

L41 1 SEA ABB=ON PLU=ON L38 AND ((STEEL? OR IRON?) (5A) ?PHOSPH?)

L42 0 SEA ABB=ON PLU=ON L39 AND ((STEEL? OR IRON?) (5A) ?PHOSPH?)

TOTAL FOR ALL FILES

L43 1 SEA ABB=ON PLU=ON L40 AND ((STEEL? OR IRON?) (5A) ?PHOSPH?)

D BIB AB

L44 1 SEA ABB=ON PLU=ON L38 AND ((STEEL? OR IRON?) (5A) (ELECTROGAL
V? OR ELECTRO-GALV?))

L45 0 SEA ABB=ON PLU=ON L39 AND ((STEEL? OR IRON?) (5A) (ELECTROGAL
V? OR ELECTRO-GALV?))

TOTAL FOR ALL FILES

L46 1 SEA ABB=ON PLU=ON L40 AND ((STEEL? OR IRON?) (5A) (ELECTROGAL
V? OR ELECTRO-GALV?))
D BIB AB

L47 1 SEA ABB=ON PLU=ON L38 AND ((STEEL? OR IRON?) (5A) ?GALV?)

L48 0 SEA ABB=ON PLU=ON L39 AND ((STEEL? OR IRON?) (5A) ?GALV?)

TOTAL FOR ALL FILES

L49 1 SEA ABB=ON PLU=ON L40 AND ((STEEL? OR IRON?) (5A) ?GALV?)

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US' ENTERED AT 12:36:43 ON 17 NOV 2005

FILE 'REGISTRY' ENTERED AT 12:36:54 ON 17 NOV 2005

L1 1 SEA ABB=ON PLU=ON 2885-00-9

FILE 'CAPLUS' ENTERED AT 12:37:06 ON 17 NOV 2005

L2 1503 SEA ABB=ON PLU=ON L1

L3 33 SEA ABB=ON PLU=ON L2 AND STEEL?

L4 11 SEA ABB=ON PLU=ON L2 AND (STEEL? (5A) ?GALV?)

L5 11 FOCUS L4 1-

D 1-11 ALL RN

L6 0 SEA ABB=ON PLU=ON L2 AND (STEEL? (5A) (?ELECTROGALV? OR
ELECTRO-GALV?))

L7 10 SEA ABB=ON PLU=ON L3 AND (SOLVENT? OR ALCOHOL OR ETHANOL OR
THF OR ACETONE OR TOLUENE OR HEXANE OR FURAN OR ETHER? OR
WATER OR H2O)

L8 8 SEA ABB=ON PLU=ON L7 NOT L4

L9 8 FOCUS L8 1-

D 1-8 ALL RN

=>

=> => file reg

FILE 'REGISTRY'

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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE 'LREGISTRY'

L1 STR

FILE 'REGISTRY'

L2 5 S L1

L3 SCR 1771

L4 50 S L1 AND L3

L5 SCR 2043

L6 40 S L1 AND L3 NOT L5

L7 SCR 1838

L8 50 S L1 AND L3 NOT (L5 OR L7)

FILE 'LREGISTRY'

L9 STR L1

FILE 'REGISTRY'

L10 50 S L9 AND L3 NOT (L5 OR L7)

L11 1033 S L9 AND L3 NOT (L5 OR L7) FUL

SAV L11 CAM379/A

E MXS/CI

L12 75547 S E3

L13 1018 S L11 NOT L12

L14 158 S L13 AND SI/ELS

L15 860 S L13 NOT L14

L16 87160 S STEEL#

FILE 'HCA'

L17 730089 S L16 OR STEEL? OR STAINLESS?

L18 3764 S L14

L19 287 S L17 AND L18

L20 37338 S GALVANI?

L21 49 S L19 AND L20

L22 33785 S L15

L23 409 S L22 AND L17

FILE 'LREGISTRY'

L24 STR L9

FILE 'REGISTRY'

L25 11 S L24 SSS SAM SUB=L11
L26 240 S L24 SSS FUL SUB=L11
SAV L26 CAM379A/A
L27 224 S L26 AND L15

FILE 'HCA'

L28 7693 S L27
L29 124 S L28 AND L17

FILE 'LCA'

L30 7647 S (FILM? OR THINFILM? OR LAYER? OR OVERLAY? OR OVERLAID?
L31 6999 S FILM? OR THINFILM? OR LAYER? OR OVERLAY? OR OVERLAID? O

FILE 'HCA'

L32 97127 S STEEL?(2A) (L31 OR GALVANI?)
E COATINGS/CV
L33 43471 S E2 OR E3
E COATING MATERIALS/CV
L34 263567 S E3
E COATING PROCESS/CV
L35 120624 S E3
L36 30 S L29 AND L32
L37 30 S L29 AND (L33 OR L34 OR L35)
L38 46 S L36 OR L37
L39 42016 S (ALUMINUM# OR AL OR ZINC# OR ZN OR COPPER# OR CU) (2A) (S
L40 778 S L22 AND L39
L41 28 S L40 AND (L33 OR L34 OR L35)

FILE 'REGISTRY'

E 1-OCTADECANETHIOL/CN
L42 1 S E3
E 16-MERCAPTOHEXADECANOIC ACID/CN
L43 1 S E3

FILE 'HCA'

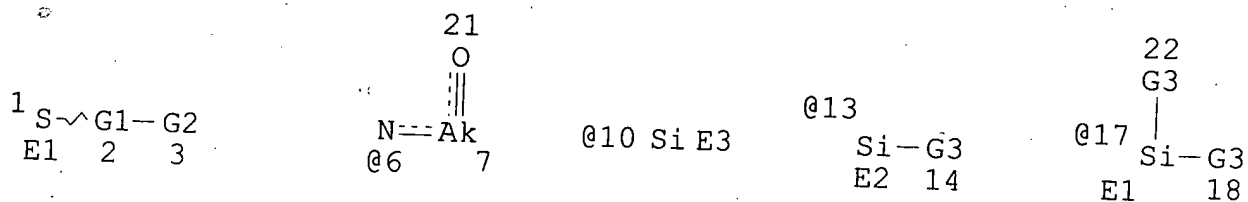
L44 1457 S L42
L45 376 S L43
L46 37 S L44 AND L17
L47 17 S L46 AND L32
L48 12 S L46 AND (L33 OR L34 OR L35)
L49 203 S L44 AND L39
L50 10 S L49 AND (L33 OR L34 OR L35)
L51 1 S L45 AND L17
L52 90 S L45 AND L39
L53 4 S L52 AND (L33 OR L34 OR L35)
L54 68 S L52 AND L31

L55 21 S L47 OR L48
 L56 19 S L55 NOT L50
 L57 5 S L51 OR L53
 L58 63 S L54 NOT L57

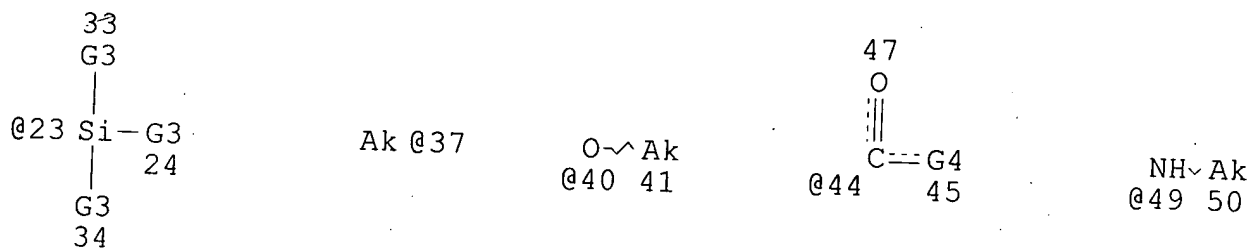
FILE 'REGISTRY'

=> d 126 que stat

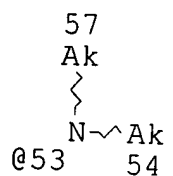
L3 SCR 1771
 L5 SCR 2043
 L7 SCR 1838
 L9 STR



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Page 1-B



Page 1-C

REP G1=(1-20) CH2
 VAR G2=ME/COOH/OH/CHO/6/44/10/13/17/23
 VAR G3=40/37/OH

VAR G4=NH2/49/53

NODE ATTRIBUTES:

HCOUNT	IS E1	AT	1
HCOUNT	IS E3	AT	10
HCOUNT	IS E2	AT	13
HCOUNT	IS E1	AT	17

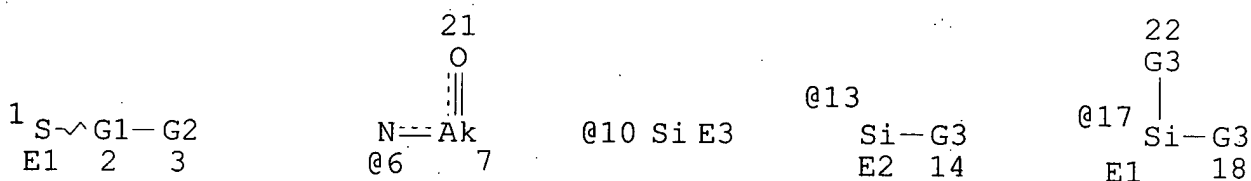
CONNECT IS E1 RC AT 1
 CONNECT IS E2 RC AT 7
 CONNECT IS E1 RC AT 37
 CONNECT IS E1 RC AT 41
 CONNECT IS E1 RC AT 50
 CONNECT IS E1 RC AT 54
 CONNECT IS E1 RC AT 57
 DEFAULT MLEVEL IS ATOM
 GGCAT IS SAT AT 7
 GGCAT IS SAT AT 37
 GGCAT IS SAT AT 41
 GGCAT IS SAT AT 50
 GGCAT IS SAT AT 54
 GGCAT IS SAT AT 57
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

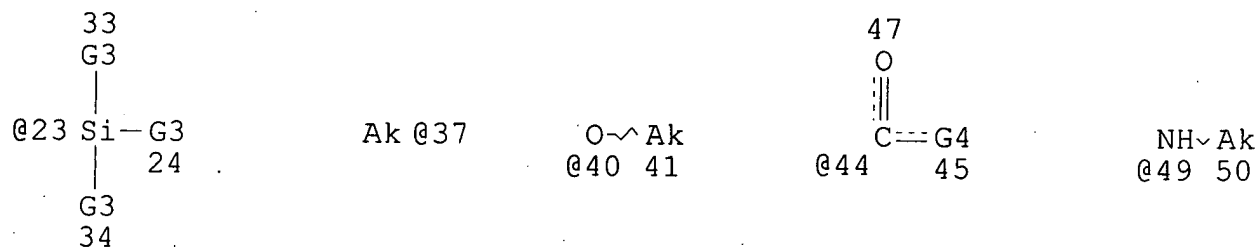
RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 27

STEREO ATTRIBUTES: NONE

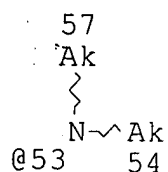
L11 1033 SEA FILE=REGISTRY SSS FUL L9 AND L3 NOT (L5 OR L7)
 L24 STR



Page 1-A



Page 1-B



Page 1-C

REP G1=(7-20) CH2

VAR G2=ME/COOH/OH/CHO/6/44/10/13/17/23

VAR G3=40/37/OH

VAR G4=NH2/49/53

NODE ATTRIBUTES:

HCOUNT	IS	E1	AT	1
HCOUNT	IS	E3	AT	10
HCOUNT	IS	E2	AT	13
HCOUNT	IS	E1	AT	17
CONNECT	IS	E1	RC AT	1
CONNECT	IS	E2	RC AT	7
CONNECT	IS	E1	RC AT	37
CONNECT	IS	E1	RC AT	41
CONNECT	IS	E1	RC AT	50
CONNECT	IS	E1	RC AT	54
CONNECT	IS	E1	RC AT	57

DEFAULT MLEVEL IS ATOM

GGCAT IS SAT AT 7

GGCAT IS SAT AT 37

GGCAT IS SAT AT 41

GGCAT IS SAT AT 50

GGCAT IS SAT AT 54

GGCAT IS SAT AT 57

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 27

STEREO ATTRIBUTES: NONE

L26 240 SEA FILE=REGISTRY SUB=L11 SSS FUL L24

100.0% PROCESSED 320 ITERATIONS

SEARCH TIME: 00.00.01

240 ANSWERS

=> file hca

FILE 'HCA'

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=> d 150 1-10 cbib abs hitstr hitind

FILE 'CAPLUS' ENTERED AT 15:25:20 ON 17 NOV 2005

L1 20892 SEA ABB=ON PLU=ON (STEEL? (10A) ?GALV?)
L2 21588 SEA ABB=ON PLU=ON (STEEL? (10A) ?PHOSPH?)
L3 2209 SEA ABB=ON PLU=ON L1 AND L2
L4 0 SEA ABB=ON PLU=ON L3 AND (ALKANETHIOL? OR ((?ALKANE? OR
?ALKYL?) (5A) (?THIOL? OR ?MERCAPTAN?)))
L5 13 SEA ABB=ON PLU=ON L3 AND FINGERPRINT?
L6 13 FOCUS L5 1-
D 1-13 ALL RN
L7 25 SEA ABB=ON PLU=ON L3 AND (?THIOL? OR ?MERCAPTAN?)
L8 25 SEA ABB=ON PLU=ON L7 NOT L5
L9 25 FOCUS L8 1-
D 1-25 ALL RN

FILE 'REGISTRY' ENTERED AT 15:41:27 ON 17 NOV 2005

L10 1 SEA ABB=ON PLU=ON 2885-00-9
D
L11 1 SEA ABB=ON PLU=ON 2917-26-2
D
L12 1 SEA ABB=ON PLU=ON 7773-83-3
D

FILE 'CAPLUS' ENTERED AT 15:42:15 ON 17 NOV 2005

L13 2490 SEA ABB=ON PLU=ON L10 OR L11 OR L12
L14 2 SEA ABB=ON PLU=ON L3 AND L13
D 1-2 ALL

FILE 'USPATFULL, USPAT2' ENTERED AT 15:45:05 ON 17 NOV 2005

L15 247 SEA ABB=ON PLU=ON L10 OR L11 OR L12
L16 20 SEA ABB=ON PLU=ON L10 OR L11 OR L12
TOTAL FOR ALL FILES
L17 267 SEA ABB=ON PLU=ON L13
L18 2 SEA ABB=ON PLU=ON L3 AND L13
L19 0 SEA ABB=ON PLU=ON L3 AND L13
TOTAL FOR ALL FILES
L20 2 SEA ABB=ON PLU=ON L14
D 1-2 BIB AB
D 1-2 BIB AB IND RN

=>